

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RELOCATION OF A SCHOOL HAZARD IDENTIFICATION BEACON ON WESTBOUND MD 256 (DEALE ROAD) APPROACHING TRACEY'S ELEMENTARY SCHOOL IN ANNE ARUNDEL COUNTY, MARYLAND. MD 256 (DEALE ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE HAZARD IDENTIFICATION BEACONS WILL OPERATE IN A FLASHING MODE DURING SCHOOL OPENING AND DISMISSAL PERIODS.

CONTROLLER REQUIREMENTS

THE EXISTING CONTROLLER AND CABINET THAT WAS PREVIOUSLY REMOVED WILL BE USED.

PHONE DROP

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.
ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. KIMBERLY TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 841-1019	MR. JOHN S. MAYS DISTRICT UTILITY ENGINEER PHONE: (410) 841-1039
MR. CHUCK E. GEORGE ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 841-1013	MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630

<u>EQUIPMENT LIST "A"</u>	
A. EQUIPMENT TO BE SUPPLIED BY THE SHA	
<u>QUANTITY</u>	<u>DESCRIPTION</u>
30 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
- 1 EACH	S1-1 SIGN (36 IN. x 36 IN.), S4-3 SIGN (36 IN. x 12 IN.), S4-4(1) SIGN (36 IN. x 36 IN.) - POLE MOUNT
- 1 EACH	W3-1a (36 IN. x 36 IN.) - GROUND MOUNT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST "B"	
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR	
QUANTITY	DESCRIPTION
1 EACH	MAINTENANCE OF TRAFFIC
1 C.Y.	TEST PIT EXCAVATION
1 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
1 EACH	INSTALL PEDESTAL POLE - ANY SIZE
30 L.F.	WOOD SIGN SUPPORTS 4 INCH x 4 INCH
17 L.F.	WOOD SIGN SUPPORTS 4 INCH x 6 INCH
25 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
195 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
10 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
175 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
1 EACH	METERED SERVICE PEDESTAL
65 L.F.	ELECTRICAL CABLE - 1 CONDUCTOR NO. 4 A.W.G. - THHN/THWN
1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
30 S.F.	INSTALL GROUND MOUNTED SIGN
4 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
2 EACH	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
60 L.F.	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
10 S.F.	RELOCATE EXISTING GROUND MOUNTED SIGN
1 EACH	BREAKAWAY TRANSFORMER BASE

INSTALLATION DETAIL

INSTALL NEW LED TRAFFIC SIGNAL HEADS

18" (MIN.)

FINES DOUBLE
WHEN FLASHING

SCHOOL

INSTALL PREVIOUSLY REMOVED CABINET AND CONTROLLER

7' (MIN. RURAL AREAS)
5' (MIN. URBAN AREAS)

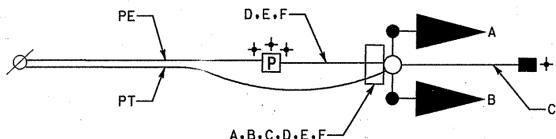
INSTALL PREVIOUSLY REMOVED PEDESTAL POLE ON NEW T-BASE

INSTALL NEW TRANSFORMER BASE

NOT TO SCALE

WIRING DIAGRAM





WIRING KEY

A } B }	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C }	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
D } TIF }	1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

PT - PROPOSED UNDERGROUND
TELEPHONE SERVICE

PE - PROPOSED UNDERGROUND
ELECTRICAL SERVICE

+ - 3/4 IN. X 10 FT. GROUND ROD

WR&A
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Engineers, Architects and Planners
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